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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/671,150	09/28/2000	Wataru Domon	017344/0312	8461
22428	7590	12/15/2004	EXAMINER	
FOLEY AND LARDNER				TRAN, PHUC H
SUITE 500				
3000 K STREET NW				
WASHINGTON, DC 20007				2666
ART UNIT PAPER NUMBER				

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/671,150	DOMON ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	PHUC H TRAN	2666	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1,3,4,18,19,21,25 and 26 is/are rejected.
- 7) Claim(s) 2,5-17,20 and 22-24 is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3, 4, 18-19, 21 ,25-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Wang et al. (U.S. Patent No. 5799207).

- With respect to claims 1, 4, 18-19, & 21, discloses the claimed invention:

a speed converter for converting the speed of packets (e.g. transmit data between two bus with two different speed) transmitted between first and second communication nodes respectively attached to first and second IEEE-1394 serial buses (e.g. bus in Fig. 4), comprising:

a first transceiver node for receiving an inbound first packet at a first speed from the first bus and transmitting an inbound second packet as an outbound second packet at the first speed to the first bus (e.g. processor in Fig. 4);

a second transceiver node for transmitting the inbound first packet as an outbound first packet at a second speed to the second bus and receiving the inbound second packet at the second speed from the second bus (e.g. I/O 150 in Fig. 4; col. 3, lines 9-13);

header translation circuitry for translating destination identifier of the inbound first packet to destination identifier of the outbound first packet according to a mapped relationship between the first transceiver node and the second communication node, and translating

destination identifier of the inbound second packet to destination identifier of the outbound second packet (col. 4, lines 60-64; col. 3, lines 34-36).

-With respect to claim 3, Wang teaches wherein the memory further stores identifiers for mapping the second transceiver node to the first communication node (314 in Fig. 12), and wherein the control circuitry receives a packet from the second transceiver node and rewrites destination identifier of the packet according to the identifiers stored in the memory when a transaction is initiated from the second bus (210 in Fig. 11).

- With respect to claims 25-26, Wang teaches wherein the first speed is different from the second speed (col. 3, lines 9-13).

#### ***Allowable Subject Matter***

3. Claims 2, 5-17, and 20, 22-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Response to Arguments***

4. Applicant's arguments with respect to claims 1,3,4,18,19,21, and 25-26 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See form PTO-892.

Art Unit: 2666

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUC H TRAN whose telephone number is (703) 308-7471. The examiner can normally be reached on M-F (8-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RAO SEEMA can be reached on (703) 308-5463. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phuc Tran  
Assistant Examiner  
Art Unit 2664

P.t  
12/11/04



DANG TON  
PRIMARY EXAMINER